

IN THE CLAIMS

Please amend claims 1, 4 thru 7, 12, 13 and 15 as follows:

1 1. (Currently Amended) In an apparatus for controlling copying of content
2 embodied in ~~[[a]]~~ an input video signal to be recorded, the apparatus comprising a video
3 signal processor for separating a composite synchronizing signal from ~~a content~~
4 ~~containing the~~ input video signal ~~to be recorded~~, and for performing at least one of
5 modulating and demodulating the input video signal, *the improvement comprising:*

6 first means for receiving the composite synchronizing signal and for detecting
7 therefrom a copy-preventing signal; and

8 second means for generating a recording-prevention control signal to stop a
9 recording of the content contained in the input video signal when the copy-preventing
10 signal is detected by the first means~~[[.]]~~;

11 wherein the first means comprises:

12 a pulse generator for generating a masking pulse in a predetermined interval of the
13 composite synchronizing signal in which the copy-preventing signal is contained;

14 a first gate for providing as an output signal the composite synchronizing signal in
15 the predetermined interval in which the masking pulse is generated;

16 an integrator for integrating the output signal from the first gate and for providing
17 as an output an integrated signal, said integrated signal having an output level; and

18 a comparator for comparing the output level of the integrated signal with a

19 predetermined threshold value to determine whether the copy-preventing signal is ~~present~~
20 ~~in the video signal~~ detected.

Claim 2. (Canceled)

1 3. (Previously Presented) In the apparatus of claim 1, wherein the first means
2 includes a second gate for removing a horizontal synchronizing signal from the composite
3 synchronizing signal in the predetermined interval in which the masking pulse is
4 generated.

1 4. (Currently Amended) In an apparatus for controlling copying of content
2 embodied in ~~[[a]]~~ an input video signal to be recorded, the apparatus comprising a video
3 signal processor for separating a composite synchronizing signal from ~~a content~~
4 ~~containing the~~ input video signal ~~to be recorded~~, and for performing at least one of
5 modulating and demodulating the input video signal, *the improvement comprising:*

6 first means for receiving the composite synchronizing signal and for detecting
7 therefrom a copy-preventing signal; and

8 second means for generating a recording-prevention control signal to stop a
9 recording of the content contained in the input video signal when the copy-preventing
10 signal is detected by the first means;

11 wherein the first means comprises a detector for indicating detection of ~~[[a]]~~ the

12 copy-preventing signal when a pulse count value in ~~[[the]]~~ a predetermined interval of the
13 composite synchronizing signal is not less than a predetermined threshold value, said
14 predetermined threshold value being not less than a sum of horizontal synchronizing
15 signals and macrovision signals.

1 5. (Currently Amended) In the apparatus of claim 1, wherein the second means
2 comprises a display unit for displaying information indicating that the content contained
3 in the input video signal is copy-protected when the copy-preventing signal is detected by
4 the first means.

1 6. (Currently Amended) In a method for controlling copying of content embodied
2 in ~~[[a]]~~ an input video signal to be recorded, the method comprising the steps of
3 separating a composite synchronizing signal from ~~a content containing~~ the input video
4 signal ~~to be recorded~~, and performing at least one of modulating and demodulating the
5 input video signal, the improvement comprising the further steps of:

6 (1) determining whether a copy command has been input;

7 (2) comparing a time T_1 read from a timer with an initially set threshold value T_0
8 when it is determined in step (1) that the copy command has been input;

9 (3) determining whether a copy-preventing signal is present in the input video
10 signal ~~to be recorded~~ when it is determined in step (2) that $T_1 \geq T_0$; and

11 (4) refraining from copying the content embodied in the input video signal when it

12 is determined in step (3) that the copy-preventing signal is present in the input video
13 signal ~~to be recorded~~.

1 7. (Currently Amended) In the method of claim 6, wherein step (4) further
2 comprises displaying information indicating that the content embodied in the input video
3 signal ~~to be recorded~~ is copy-protected.

1 8. (Previously Presented) In the method of claim 6, wherein the threshold value T_0
2 is set to a date on which aggressive protection of copyright becomes effective.

Claim 9. (Canceled)

1 10. (Previously Presented) In an apparatus for controlling copying of content
2 embodied in a video signal, said apparatus comprising a dual deck video cassette recorder
3 (VCR) having a reproducing deck VCR, a recording deck VCR, an FM copy signal
4 processor for performing automatic gain control and waveform equalization without
5 demodulating a video signal detected by a video head of the reproducing deck VCR, and a
6 video signal processor for demodulating the video signal detected by the video head of
7 the reproducing deck VCR and for separating a composite synchronizing signal from the
8 demodulated video signal;

9 *the improvement comprising*

10 first means for receiving the composite synchronizing signal, and for detecting
11 therefrom whether the composite synchronizing signal contains a copy-preventing signal;

12 second means for generating a recording-prevention control signal when the first
13 means detects that the composite synchronizing signal contains the copy-preventing
14 signal; and

15 third means for receiving the recording-prevention control signal and responsive
16 thereto for causing the recording deck VCR not to record the content embodied in the
17 video signal;

18 wherein the second means generates the recording-prevention control signal only
19 after a date on which aggressive protection of copyright becomes effective.

20 Claim 11. (Canceled)

21 12. (Currently Amended) In the apparatus of claim 10, wherein the second means
22 comprises a display unit for displaying [[the]] information indicating that the copy-
23 preventing signal has been detected when the copy-preventing signal is detected.

1 13. (Currently Amended) In a process for manufacturing an apparatus for
2 controlling copying of content embodied in [[a]] an input video signal to be recorded, the
3 apparatus comprising a video signal processor for separating a composite synchronizing
4 signal from ~~a content containing~~ the input video signal ~~to be recorded~~, and for performing

5 at least one of modulating and demodulating the input video signal, said process
6 comprising the steps of:

7 (1) providing first means for receiving the composite synchronizing signal and for
8 detecting therefrom a copy-preventing signal; and

9 (2) providing second means for generating a recording-prevention control signal
10 adapted to stop a recording of the content embodied in the input video signal when the
11 copy- preventing signal is detected by the first means;

12 wherein the first means comprises a detector for indicating detection of the copy-
13 preventing signal when a pulse count value in a predetermined interval of the composite
14 synchronizing signal is not less than a predetermined threshold value, said predetermined
15 threshold value being not less than a sum of horizontal synchronizing signals and
16 macrovision signals.

1 14. (Previously Presented) In a process for manufacturing an apparatus for
2 controlling copying of content embodied in a video signal, said apparatus comprising a
3 dual deck video cassette recorder (VCR) having a reproducing deck VCR, a recording
4 deck VCR, an FM copy signal processor for performing automatic gain control and
5 waveform equalization without demodulating a video signal detected by a video head of
6 the reproducing deck VCR, and a video signal processor for demodulating the video
7 signal detected by the video head of the reproducing deck VCR and for separating a
8 composite synchronizing signal from the demodulated video signal; said process

comprising the steps of:

(1) providing first means for receiving the composite synchronizing signal and for detecting therefrom whether the composite synchronizing signal contains a copy-preventing signal;

(2) providing second means for generating a recording-prevention control signal when the first means detects that the composite synchronizing signal contains the copy-preventing signal; and

(3) providing third means for receiving the recording-prevention control signal and responsive thereto for causing the recording deck VCR not to record the content embodied in the video signal;

wherein the second means generates the recording-prevention control signal only after a date on which aggressive protection of copyright becomes effective.

15. (Currently Amended) In a process for manufacturing an apparatus for controlling copying of content embodied in ~~[[a]]~~ an input video signal to be recorded, the apparatus comprising a video signal processor for separating a composite synchronizing signal from ~~a content containing~~ the input video signal ~~to be recorded~~, and for performing at least one of modulating and demodulating the input video signal, said process comprising the steps of:

(1) providing first means for receiving the composite synchronizing signal and for detecting therefrom a copy-preventing signal; and

9 (2) providing second means for generating a recording-prevention control signal
10 adapted to stop a recording of the content embodied in the input video signal when the
11 copy- preventing signal is detected by the first means;

12 wherein the first means comprises:

13 a pulse generator for generating a masking pulse in a predetermined interval of the
14 composite synchronizing signal in which the copy-preventing signal is contained;

15 a first gate for providing as an output signal the composite synchronizing signal in
16 the predetermined interval in which the masking pulse is generated;

17 an integrator for integrating the output signal from the first gate and for providing
18 as an output an integrated signal, said integrated signal having an output level; and

19 a comparator for comparing the output level of the integrated signal with a
20 predetermined threshold value to determine whether the copy-preventing signal is ~~present~~
21 ~~in the video signal~~ detected.